

Title (en)
DATA CONVERSION DEVICE AND LAMINATION SHAPING SYSTEM

Title (de)
DATENUMSETZUNGSVORRICHTUNG UND LAMINIERUNGSFORMUNGSSYSTEM

Title (fr)
DISPOSITIF DE CONVERSION DE DONNÉES ET SYSTÈME DE MISE EN FORME PAR STRATIFICATION

Publication
EP 3556543 A1 20191023 (EN)

Application
EP 16923988 A 20161213

Priority
JP 2016087035 W 20161213

Abstract (en)
To provide a data conversion device capable of generating data necessary for shaping a target object using an inkjet method from three-dimensional data in accordance with an impact diameter. Grid data generation section 33 of data conversion device 13 generates grid data D5 obtained by defining layer data D3 by each grid region 41 indicating a position to which a droplet is ejected by the inkjet method. Ejection position change section 35 changes the position (ejection region 51) to which the droplet is ejected on grid data D5, based on impact diameter R1 when the droplet is ejected and length L1 of grid regions 41.

IPC 8 full level
B29C 67/00 (2017.01); **B33Y 50/00** (2015.01)

CPC (source: EP US)
B29C 64/209 (2017.07 - US); **B29C 64/393** (2017.07 - US); **B29C 67/00** (2013.01 - EP); **B29C 67/0011** (2013.01 - US); **B33Y 50/00** (2014.12 - EP US); **B33Y 50/02** (2014.12 - EP); **G06F 30/00** (2020.01 - US); **H04N 1/40068** (2013.01 - EP); **H05K 3/125** (2013.01 - EP); **B32B 2037/0061** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3556543 A1 20191023; **EP 3556543 A4 20200108**; **EP 3556543 B1 20211110**; CN 110049858 A 20190723; CN 110049858 B 20210528; JP 6714102 B2 20200624; JP WO2018109832 A1 20190808; US 10933589 B2 20210302; US 2019337234 A1 20191107; WO 2018109832 A1 20180621

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EP 16923988 A 20161213; CN 201680091356 A 20161213; JP 2016087035 W 20161213; JP 2018556064 A 20161213; US 201616468930 A 20161213